

From: [Allen, Elizabeth](#)
To: [Prestbo, Kim](#); [Repasky, Ted](#)
Subject: FW: EPA 537 Report
Date: Monday, July 10, 2017 6:56:36 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[170626001_ZZZZ.PDF](#)

Interesting, PFHxS concentrations are almost as high as PFOA/PFOS combined...

From: Morrissey, Barbara (DOH) [mailto:Barbara.Morrissey@DOH.WA.GOV]
Sent: Friday, July 07, 2017 5:53 PM
To: Allen, Elizabeth <allen.elizabeth@epa.gov>; Kaetzel, Rhonda <Kaetzel.Rhonda@epa.gov>
Cc: mlascuola@srhd.org
Subject: FW: EPA 537 Report

Hi Elizabeth and Rhonda – got word from Mike at Spokane Co HD today that they have a couple more positive results from private wells outside of the Fairchild AFB study area for PFAS. Any news on a plan to step out in the AFB investigation of impacted drinking water?

Barbara Morrissey, MS | Toxicologist

Office of Environmental Public Health Sciences
Washington State Department of Health
PO Box 47825
Olympia, WA 98504-7825
(360) 236-3368

Physical Location: 243 Israel Rd SE, Tumwater

From: Mike LaScuola [<mailto:mlascuola@srhd.org>]
Sent: Friday, July 07, 2017 4:39 PM
To: CONNALLY, MARC B GS-12 USAF AFCEC 92 CES/CZOM <marc.connally@us.af.mil>
Cc: Morrissey, Barbara (DOH) <Barbara.Morrissey@DOH.WA.GOV>;
(b) (6)
Subject: FW: EPA 537 Report

Hello Marc

I have been provided these private residence well water test results as I understand that you may have received from (b) (6) at (b) (6) This test was performed

by Anatek following test acquisition protocols. This is a discovery as you know outside the phase 1 and 2 study area north of the base.

I wanted you to know that I anticipate additional private well test results as word gets out. And I have received multiple inquiries from area residents about the Air Forces "next steps" regarding the PFOS-PFOA issue.

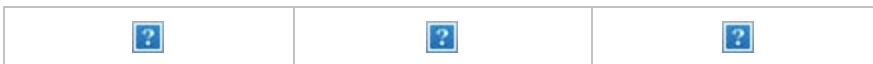
I have Cc'd a copy of this to the State Department of Health for guidance regarding extending the advisory area.

Please let me know if you have knowledge as to what is being proposed though AF Civil Engineers for addressing this groundwater contamination issue.

Thank You

Michael F. LaScuola REHS/RS | Technical Advisor Environmental Resources | Environmental Public Health
509-324-1574 | 509-324-3603 fax | mlascuola@srhd.org
Spokane Regional Health District | www.srhd.org
1101 W. College Ave. Spokane, WA 99201

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From: (b) (6)

Sent: Friday, July 07, 2017 3:30 PM

To: Mike LaScuola <mlascuola@srhd.org>

Subject: EPA 537 Report

Hi Mike,

Attached is the test report that was done by a certified technician with a valid chain of custody from Anatek Labs for the follow-up test. It came back higher @ 294 PPT. The first one was @ 251.5 PPT.

Sincerely,

(b) (6)

This is a confidential communication. If you have received it in error, please communicate that fact to me, and destroy the confidential communication.

From: Mike LaScuola [<mailto:mlascuola@srhd.org>]

Sent: Thursday, June 22, 2017 4:12 PM

To: (b) (6)

Subject: PFOS PFOA well test

(b) (6)

Per our discussion and in review of your water sample test results as submitted for PFOS-PFOA for the well water at (b) (6) that your results have exceeded the health advisory limit of 70 parts per trillion (PPT). It is advised that you find an alternative source of water for consumption to include meal preparation.

Additionally as we discussed that if you proceed to perform additional testing that it is advised that you use the services of a certified sampler to ensure proper sample acquisition and maintain a valid chain of custody.

I will be contacting Marc Connelly at Fairchild to inform him of these results to see if he can incorporate your property into the Airbase study.

Please feel free to call or email me if you have further questions or concerns

Sincerely

Michael F. LaScuola REHS/RS | Technical Advisor Environmental Resources | Environmental Public Health

509-324-1574 | 509-324-3603 fax | mlascuola@srhd.org

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Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

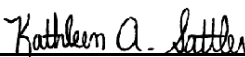
REPORT TO: (b) (6)

Water Quality Report

Sample Number	170626001-001	Sampling Date	6/24/2017	Date/Time Received	6/24/2017 12:00 PM	
Analyte	Result	Units	PQL	MDL	Analysis Date	Analyst
Perfluorobutanesulfonic acid - PFBS	ND	ug/L	0.09	0.025	7/6/2017	TGT
Perfluoroheptanoic acid - PFHpA	0.0327	ug/L	0.01	0.005	7/6/2017	TGT
Perfluorohexanesulfonic acid - PFHxS	0.263	ug/L	0.03	0.005	7/6/2017	TGT
Perfluorononanoic acid - PFNA	ND	ug/L	0.02	0.005	7/6/2017	TGT
Perfluorooctanesulfonic acid - PFOS	0.187	ug/L	0.04	0.01	7/6/2017	TGT
Perfluorooctanoic acid - PFOA	0.107	ug/L	0.02	0.005	7/6/2017	TGT

SAMPLING LOCATION: (b) (6) OUTSIDE TAP

Authorized Signature


Kathleen A. Sattler, Lab Manager

ND Not Detected

PQL Practical Quantitation Limit

MDL Method Detection Limit

This report shall not be reproduced, except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.

Note GLA d'Yk Ug'Vt''YMYX'Vm? UA mGUhYfZ5 bUHY_@VgZ4W

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Login Report

Customer Name: **Order ID:** 170626001
Order Date: 6/26/2017

Contact Name: **Project Name:** (b) (6) /EPA 537
Comment: (b) (6)

Sample #: 170626001-001 **Customer Sample #:** (b) (6) OUTSIDE TAP

Recv'd: ☒ **Matrix:** Drinking Water **Collector:** KATHY SATTLER **Date Collected:** 6/24/2017
Quantity: 1 **Date Received:** 6/24/2017 12:00:00 PM **Time Collected:** 11:08 AM
Comment:

Test	Lab	Method	Due Date	Priority
UCMR 537	M	EPA 537	6/24/2017	<u>Normal (~10 Days)</u>

Sample #: 170626001-002 **Customer Sample #:** FIELD BLANK

Recv'd: ☒ **Matrix:** Drinking Water **Collector:** **Date Collected:** 6/24/2017
Quantity: 1 **Date Received:** 6/24/2017 12:00:00 PM **Time Collected:** 11:09 AM
Comment:

Test	Lab	Method	Due Date	Priority
UCMR 537	M	EPA 537	6/24/2017	<u>Normal (~10 Days)</u>

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature of the sample(s)? (°C)	10.6/10.7
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Labels and chain agree?	Yes
Total number of containers?	4

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Turn Around Time☐ Normal☐ Next Day*☐ 2-Day**Rush
Charges
Apply☐ Email☐ Phone☐ Mail☐ Fax

Results Needed by:

FAX #

Please fill out completely and legibly

Date Collected 6/24/17	Time Collected 11:08 AM	County Spokane
Sample Purpose <input checked="" type="checkbox"/> Purchase/Sale/Bldg Permit <input checked="" type="checkbox"/> Informative <input type="checkbox"/> New Well		
Sample Type <input checked="" type="checkbox"/> Standard Drinking Water <input type="checkbox"/> Raw Source Water <input type="checkbox"/> Other (Specify) _____		
Owner or Manager Name (b) (6)		
Specific Location Where Sample Was Collected (i.e. address of well) (b) (6)		
Send Report to: Name (b) (6)		
Address (b) (6)		
City (b) (6)		
Day Tel # (b) (6)	Eve/Msg Tel #	
Sample Collected by: Kathy Sattler	Company: Anatek Labs, Inc.	
Source Type (Check One) <input checked="" type="checkbox"/> Well/WellSpring <input type="checkbox"/> Spring <input type="checkbox"/> Surface Water <input type="checkbox"/> Purchased or Intertie <input type="checkbox"/> Grd Water under Surface Influence <input type="checkbox"/> Combination or Other _____		

COLIFORM BACTERIA (Lab Use Only)

<input type="checkbox"/> SATISFACTORY (COLIFORM ABSENT)			
<input type="checkbox"/> Unsatisfactory (Coliform Present)			
REPEAT SAMPLES REQUIRED			
<input type="checkbox"/> Total Present		<input type="checkbox"/> Total Absent	
<input type="checkbox"/> E.Coli Present		<input type="checkbox"/> E.Coli Absent	
Other Lab Results			
Total Coliform	/100ml	E.Coli	/100ml
Fecal Coliform	/100ml	Plate Count	/100ml
<input type="checkbox"/> Another Sample Required			
Sample Not Tested Because:		Test Unsuitable Because:	
<input type="checkbox"/> Sample Too Old		<input type="checkbox"/> TNTC	
<input type="checkbox"/> Wrong Container		<input type="checkbox"/> Turbid Culture	
<input type="checkbox"/> Other		<input type="checkbox"/> Excess Debris	
Report Date		Lab Analyst	
Date Received 6-24-17	Time 1200	By KAS	

Inorganic Chemical Analysis Report

✓ Tests	MCL	Results	Units	Compliance Y/N	Initials
Arsenic (As)	0.01		mg/L		
Barium (Ba)	2		mg/L		
Beryllium (Be)	0.004		mg/L		
Cadmium (Cd)	0.0005		mg/L		
Calcium (Ca)	-		mg/L		
Chloride (Cl)	250		mg/L		
Chromium (Cr)	0.1		mg/L		
Color	15		Color Units		
Conductivity	700		µmhos/cm 25°C		
Copper (Cu)	1.3		mg/L		
Corrosivity	-		-		
Cyanide (CN)	0.2		mg/L		
Fluoride (F)	4		mg/L		
Hardness	-		mg/L as CaCO ₃		
Iron (Fe)	0.3		mg/L		
Lead (Pb)	0.015		mg/L		
Magnesium (Mg)	-		mg/L		
Manganese (Mn)	0.05		mg/L		
Mercury (Hg)	0.002		mg/L		
Nickel (Ni)	0.1		mg/L		
Nitrate as N	10		mg/L		
Nitrite as N	0.5		mg/L		
pH	-		-		
Selenium (Se)	0.05		mg/L		
Silver (Ag)	0.05		mg/L		
Sodium (Na)	-		mg/L		
Sulfate (SO ₄)	250		mg/L		
TDS	500		mg/L		
TSS	-		mg/L		
Turbidity	1		NTU		
Uranium (U)	30		µg/L		
Zinc (Zn)	5		mg/L		

MCL-Max. Contaminant Level

TSS-Total Suspended Solids

TDS-Total Dissolved Solids

OTHER ANALYSES REQUESTED

Inorganic Contaminants (IOC's)	
Volatile Organics (VOC's)	
Semivolatile Organics (SOC's)	
Private Well Test	
Iron Bacteria	

Laboratory Comments

EPA 537 + Field Blank

Lab Supervisor

Report Date

70626 001 ZZZZ
1st SAMP 6/24/2017 1st RCVD 6/24/2017
EPA 537